

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L7	1	("6732796").PN.	US-PGPUB; USPAT	OR	OFF	2008/05/28 12:53
L6	8	barnicki.in.	US-PGPUB	ADJ	ON	2008/05/28 12:49
L5	5	"311766".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/28 12:46
L4	0	("311766.ap.").PN.	US-PGPUB; USPAT	OR	OFF	2008/05/28 12:46
L3	33	gasif\$8 same ("CO: H.sub.2" or "H.sub.2: CO" or hydrogen near2 monoxide near2 ratio)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/28 12:40
L2	0	08/907982 09/782585 09/973287 09/979829 09/985647 10/184291 10/193666 10/271406 10/332668 10/389064 10/469316 10/473623 10/475431 10/478702 10/479755 10/481357 10/482398 10/483298 10/483594 10/487355 10/490888 10/494293 10/499039 10/500320 10/502204 10/509058 10/520853 10/531715 10/614302 10/634056 10/650044 10/690018 10/694565	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/28 12:29

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L1	0	((08/907982) or (09/782585) or (09/973287) or (09/979829) or (09/985647) or (10/184291) or (10/193666) or (10/271406) or (10/332668) or (10/389064) or (10/469316) or (10/473623) or (10/475431) or (10/478702) or (10/479755) or (10/481357) or (10/482398) or (10/483298) or (10/483594) or (10/487355) or (10/490888) or (10/494293) or (10/499039) or (10/500320) or (10/502204) or (10/509058) or (10/520853) or	US-PGPUB; USPAT	OR	OFF	2008/05/28 12:29

(10/531715) or  
(10/614302) or  
(10/634056) or  
(10/650044) or  
(10/690018) or  
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(10/706625) or  
(10/711152) or  
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		(11/048789) or (11/057122) or (11/066573) or (11/067400) or (11/071545) or (11/085827) or (11/099611) or (11/106476) or (11/109186) or (11/109220) or (11/117226) or (11/117911) or (11/133447) or (11/203059) or (11/212746) or (11/214366) or (11/263726) or (11/282196) or (11/301806) or (11/303692) or (11/311762) or (11/311766) or (11/313252) or (11/327580) or (11/338946) or (11/340506) or (11/344498) or (11/370372) or (11/409837) or (11/429917) or (11/432826) or (11/438166) or (11/442836) or (11/474024)).OQLS.				
S134	26	("2183301"   "2934407"   "3252773"   "3317292"   "3413214"   "3471275"   "3511194"   "3576603"   "3618331"   "3759677").PN. OR ("3890432").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/28 07:56
S133	11	S131 and S132	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/28 07:53

S132	24135	((auto adj therm\$5) or auto-therm\$5 or ATR or EATR or (reform\$7 with ((partial\$3 with (combust\$4 or oxidat\$3 or oxid\$4)) or FOX or GPOX or CPO or UOB or ((underoxid\$4 or under-oxid\$4 or oxid\$4) with burn \$3))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/28 07:53
S131	113	S128 and S130	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/28 07:52
S130	371	black liquor and gasif \$8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/28 07:52
S129	5283	black liquor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/28 07:52
S128	191571	sodium carbonate or "Na.sub.2" "CO.sub.3"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/28 07:52
S127	20	black liquor with reform\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 14:16
S126	105	S125 near5 depend \$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 11:30
S125	6054	temperature near3 gasif\$8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 11:30

S124	25	("4351645"   "4364744"   "4371378"   "4525175"   "4559009"   "4698014"   "4701124"   "4857076"   "5104310"   "5129333"   "5352333"   "5363782"   "5393220"   "5505615"   "5513583"   "5617997"   "5632858"   "5653916"   "5683549"   "5785721"   "5790086"   "5904477"   "5944507").PN. OR ("6174161").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/27 11:22
S123	87	S122 and gasif\$8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 10:30
S122	1698	S121 with regen\$8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 10:29
S121	255956	sodium carbonate or "Na.sub.2" "CO. sub.3" or potassium carbonate or "K. sub.2" "CO.sub.3"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 10:29
S120	16	S119 and S109	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 10:02
S119	425	S118 and gasif\$8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 10:02
S118	5783	(unreact\$2 or ungasif\$4 or nonconvert\$3 or unconvert\$3 or residual) near (carbon not carbon monoxide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 10:02

S117	13	gasif\$8 with trim	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 09:24
S116	0	gasif\$8 near2 trim	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 09:24
S115	125	S114 and S109	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 09:19
S114	1409	S113 and gasif\$8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 09:18
S113	8829	(unreact\$2 or ungasif\$4 or nonconvert\$3 or unconvert\$3 or residual) near carbon	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 09:18
S112	1	S111 and S108	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 08:47
S111	77811	((auto adj therm\$5) or autotherm\$5 or auto-therm\$5 or ATR or EATR or (reform\$7 with ((partial\$3 with (combust\$4 or oxidat \$3 or oxid\$4)) or POX or GPOX or CPO or UOB or ((underoxidi\$4 or under-oxidi\$4 or oxidi\$4) with burn \$3)))) or gasif\$8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 08:46
S110	0	S108 and S109	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 08:46



S109	24135	((auto adj therm\$5) or autotherm\$5 or auto-therm\$5 or ATR or EATR or (reform\$7 with ((partial\$3 with (combust\$4 or oxidat\$3 or oxidid\$4)) or FOX or GPOX or CPO or UOB or ((underoxidi\$4 or under-oxidi\$4 or oxidid\$4) with burn\$3))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 08:45
S108	55	S106 with S107	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 08:44
S107	99449	carbon near3 (surface or coat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 08:44
S106	191571	sodium carbonate or "Na.sub.2" "CO. sub.3"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 08:43
S105	7	S103 and S104	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 08:36
S104	1129	gasif\$8 near4 low\$2 near temperature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 08:36
S103	570	high\$3 near temperature with S93	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 08:36
S102	10	higher temperature with S100	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 08:26
S101	24	higher temperature same S100	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 08:26
S100	1584	S93 with (second or subsequent or downstream or char)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 08:26

S99	160	higher temperature same S93	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 08:25
S98	36	S97 with (char or residual or ash)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 08:16
S97	536	S96 with gasif\$8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 08:16
S96	24135	((auto adj therm\$5) or autotherm\$5 or auto-therm\$5 or ATR or EATR or (reform\$7 with ((partial\$3 with (combust\$4 or oxidat\$3 or oxid\$4)) or POX or GPOX or CPO or UOB or ((underoxidi\$4 or under-oxidi\$4 or oxid\$4) with burn \$3))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 08:16
S95	508	S93 with gasif\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 08:16
S94	35	S93 and black near liquor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 08:15
S93	16391	((auto adj therm\$5) or autotherm\$5 or auto-therm\$5 or ATR or EATR or (reform\$7 with ((partial\$3 with (combust\$4 or oxidat\$3 or oxid\$4)) or POX or GPOX or CPO or UOB or ((underoxidi\$4 or under-oxidi\$4 or oxid\$4) with burn \$3))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 08:15
S92	1	("5937631").PN.	US-PGPUB; USPAT	OR	OFF	2008/05/27 08:00

S91	35	S88 and black near liquor	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 07:44
S90	328	S88 and liquor	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 07:44
S89	328	S88 and liquor	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 07:44
S88	16391	((auto adj therm\$5) or autotherm\$5 or auto-therm\$5 or ATR or EATR or (reform\$7 with ((partial\$3 with (combust\$4 or oxidat\$3 or oxid\$4)) or POX or GPOX or CPO or UOB or ((underoxidi\$4 or under-oxidi\$4 or oxidi\$4) with burn \$3))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/27 07:44
S87	1	("5937631").PN.	US-PGPUB; USPAT	OR	OFF	2008/05/26 13:48
S86	2	S85 and liquor	EPO	ADJ	ON	2008/05/26 13:43
S85	157	mansour.in.	EPO	ADJ	ON	2008/05/26 13:42
S84	0	WO0112754	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 13:34
S83	3	((("5842289") or ("5353721") or ("5634950")).PN.	US-PGPUB; USPAT	OR	OFF	2008/05/26 13:33
S82	1	2004-304865.NRAN.	DERWENT	ADJ	ON	2008/05/26 13:26
S81	6	S80 and liquor	EPO; JPO; DERWENT	ADJ	ON	2008/05/26 13:25
S80	407	mansour.in.	EPO; JPO; DERWENT	ADJ	ON	2008/05/26 13:25
S79	0	"28193".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 13:25

S78	275	black liquor with (gasif\$8 or pyrol\$8 or (partial\$4 near (combust\$6 or oxidation or oxidiz \$6)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 13:04
S77	41	S76 and liquor	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 12:16
S76	552	partial\$2 near2 ((combust\$6 or oxidation or oxidiz \$6) or pox) near6 (residual or char or (ungasif\$7 or unburnt or unreacted) near carbon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 12:16
S75	523	S74 same (gasif\$8)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 12:15
S74	4431	partial\$2 near2 ((combust\$6 or oxidation or oxidiz \$6) or pox) near6 (residual or char or carbon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 12:15
S73	6943	partial\$2 near2 ((combust\$6 or oxidation or oxidiz \$6) or pox) with (residual or char or carbon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 12:15
S72	16	S70 and ("48".clas. or "429".clas.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 12:08
S71	156	S70 and hydrogen	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 12:07
S70	262	partial\$2 near2 ((combust\$6 or oxidation or oxidiz \$6) or pox) with liquor	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 12:06
S69	32590	partial\$2 near2 ((combust\$6 or oxidation or oxidiz \$6) or pox with liquor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 12:05

S68	32596	partial\$2 near2 (combust\$6 or oxidation or oxidiz \$6) or pox with liquor	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 12:05
S67	27	S65 and liquor	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 12:00
S66	79	S65 same stage	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 11:52
S65	1017	S64 same gasif\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 11:52
S64	196016	high\$2 near temperature same low\$2 near temperature	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 11:52
S63	510	S62 same gasif\$8	USPAT	ADJ	ON	2008/05/26 11:51
S62	98692	high\$2 near temperature same low\$2 near temperature	USPAT	ADJ	ON	2008/05/26 11:51
S61	10	("2680065").URPN.	USPAT	ADJ	ON	2008/05/26 08:28
S60	1	("2680065").PN.	US-PGPUB; USPAT	OR	OFF	2008/05/26 08:23
S59	21	S58 and liquor	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 08:07
S58	356	S57 same gasif\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 08:07
S57	1025	((char or ash or solids) near5 (partial near (oxidation or combust\$4 or oxidiz \$6) or POx))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 08:06
S56	109	S55 and liquor	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 08:02
S55	2194	(gasif\$8 with (partial near (oxidation or combust\$4 or oxidiz \$6) or POx))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 08:01

S54	394	S53 and liquor	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 08:00
S53	15438	(gasif\$8 with partial near (oxidation or combust\$4 or oxidiz \$6) or POx)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 07:59
S52	2184	(gasif\$8 with partial near (oxidation or combust\$4 or oxidiz \$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 07:58
S51	33	("2714059"   "3375175"   "3505204"   "3540867"   "3725270"   "3752771"   "3759837"   "3850839").PN. OR ("3966634").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/26 07:54
S50	23	S49 and (liquor or lignin)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 07:47
S49	575	higher near temperature near4 (fluidiz\$6 or gasif\$8)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/26 07:46
S48	104	S47 and fluidiz\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/25 21:19
S47	360	second near (gasif \$8)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/25 21:16
S46	12	S40 and (sodium carbonate or "Na. sub.2 CO.sub.3")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/25 13:38
S45	10	S44 and gasif\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/25 13:35
S44	245	two near stage same (sodium carbonate or "NaCO. sub.3")	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/25 13:35

S43	17	((("5059404") or ("5133297") or ("5197399") or ("5205728") or ("5211704") or ("5255634") or ("5306481") or ("5353721") or ("5364610") or ("5366371") or ("5514351") or ("5536488") or ("5637192") or ("5638609") or ("5842289") or ("6149765") or ("6548197"))).PN.	US-PGPUB; USPAT	OR	OFF	2008/05/25 13:05
S42	59	S41 and fluidiz\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/25 12:53
S41	115	high\$2 near temperature near3 (gasif\$8) same low \$2 near temperature near3 (gasif\$8)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/25 12:53
S40	95	high near temperature near3 (gasif\$8) same low near temperature near3 (gasif\$8)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/25 12:51
S39	9	two near stage same two near fluidiz \$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/25 12:50
S38	9	S37 same high near temperature same low near temperature	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/25 12:11
S37	223	two stage near2 gasif\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/25 12:10
S36	14	S33 and (liquor or lignin)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/25 12:07
S35	1	("5306481").PN.	US-PGPUB; USPAT	OR	OFF	2008/05/25 12:05
S34	2	S33 and pulse	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/25 12:04

S33	138	S31 same gasif\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/25 12:04
S32	6	"659725".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/25 10:34
S31	1723	(two or second) near2 fluidiz\$6 near (bed or reactor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2008/05/25 10:33

5/ 28/ 2008 2:41:03 PM

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